

# INTERNATIONAL SEARCH REPORT

Inten al Application No  
PCT/US2004/018921

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07K16/22

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, BIOSIS, PAJ, LIFESCIENCES, SCISEARCH, CHEM ABS Data, Sequence Search

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/66631 A (CAMBRIDGE ANTIBODY TECH ; TEMPEST PHILIP RONALD (GB); BRADDOCK PETA SA) 9 November 2000 (2000-11-09) page 1 - page 3 table 2 figures 1,4 examples 1,3,6  ----- -/--	1-32

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the International search

19 January 2005

Date of mailing of the International search report

07. 07. 2005

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/018921

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>SHAH M ET AL: "NEUTRALISATION OF TGF-BETA1 AND TGF-BETA2 OR EXOGENOUS ADDITION OF TGF-BETA3 TO CUTANEOUS RAT WOUNDS REDUCES SCARRING" JOURNAL OF CELL SCIENCE, CAMBRIDGE UNIVERSITY PRESS, LONDON, GB, vol. 108, no. PART 3, 1 March 1995 (1995-03-01), pages 985-1002, XP000609005 ISSN: 0021-9533 page 997, column 1, paragraph 2 table 1</p>	1-13,30
X	<p>Monoclonal anti-TGF-b1 antibody. R&amp;D Systems, Ordering Information, Catalog Number: MAB2401, 29.1.2003. XP002313281 abstract</p>	1-32
X	<p>LUCAS C ET AL: "THE AUTOCRINE PRODUCTION OF TRANSFORMING GROWTH FACTOR-BETA1 DURING LUMPHOCYTE ACTIVATION A STUDY WITH A MONOCLONAL ANTIBODY-BASED ELISA" JOURNAL OF IMMUNOLOGY, THE WILLIAMS AND WILKINS CO. BALTIMORE, US, vol. 145, 1 September 1990 (1990-09-01), pages 1415-1422, XP000917385 ISSN: 0022-1767 abstract page 1419, column 2, paragraph 2 - page 1420, column 1, paragraph 1 figure 3</p>	1-14, 18-27, 30,31
X	<p>WO 97/13844 A (CAMBRIDGE ANTIBODY TECH ; TEMPEST PHILIP RONALD (GB); THOMSON JULIA EL) 17 April 1997 (1997-04-17) page 12, line 12 - line 27 figures 1b1f,1c1 examples 1,3.4,9 page 62, line 25 - page 63, line 14 page 67, line 12 - page 68, line 5 page 100, line 4 - page 101, line 15</p>	1-32
X	<p>FLANDERS K C ET AL: "ANTIBODIES TO PEPTIDE DETERMINANTS IN TRANSFORMING GROWTH FACTOR BETA AND THEIR APPLICATIONS" BIOCHEMISTRY, AMERICAN CHEMICAL SOCIETY. EASTON, PA, US, vol. 27, 1988, pages 739-746, XP002044723 ISSN: 0006-2960 page 744, column 2, paragraph 2 figure 7</p>	1-13,30

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# INTERNATIONAL SEARCH REPORT

Inte al Application No  
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>ELLINGSWORTH L R ET AL: "TRANSFORMING GROWTH FACTOR-BETAS ARE EQUIPOTENT GROWTH INHIBITORS OF INTERLEUKIN-1-INDUCED THYMOCYTE PROLIFERATION" CELLULAR IMMUNOLOGY, vol. 114, no. 1, 1988, pages 41-54, XP009042444 ISSN: 0008-8749 page 43, paragraph 3 figures 6,7,9 abstract</p> <p>-----</p>	1-13,30

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2004/018921

## Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this International Application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-32 partially

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-32 partially

anti TGF-b1 binding composition "1021" characterized by one or more of the following CDRs:

HC CDR1= Seq ID No: 13,

HC CDR2= Seq ID No: 14,

HC CDR3= Seq ID No: 15,

LC CDR1= Seq ID No: 22,

LC CDR2= Seq ID No: 23,

LC CDR3= Seq ID No: 24,

LC v-region (Seq ID No: 2) comprises Seq ID No: 22,23,24 and

HC v-region (Seq ID No: 4) comprises Seq ID No: 13,14,15  
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2. claims: 1-32 partially

anti TGF-b1 binding composition "2471" characterized by one or more of the following CDRs:

HC CDR1= Seq ID No: 16,

HC CDR2= Seq ID No: 17,

HC CDR3= Seq ID No: 18,

LC CDR1= Seq ID No: 25,

LC CDR2= Seq ID No: 26,

LC CDR3= Seq ID No: 27  
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3. claims: 1-32 partially

anti TGF-b1 binding composition "3821" characterized by:

HC CDR1= Seq ID No: 19,

HC CDR2= Seq ID No: 20,

HC CDR3= Seq ID No: 21,

LC CDR1= Seq ID No: 28,

LC CDR2= Seq ID No: 29,

LC CDR3= Seq ID No: 30,

LC v-region (Seq ID No: 10) comprises Seq ID No: 28,29,30  
and

HC v-region (Seq ID No: 12) comprises Seq ID No: 19,20,21  
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

Intel  
nal Application No  
PCT/US2004/018921

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			ES 2225132 T3	16-03-2005
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			WO 9713844 A1	17-04-1997
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			PT 945464 T	31-07-2001
			US 2005049403 A1	03-03-2005